

What is claimed is:

1. An injector for injecting fluids into a pipeline, the injector comprising:
a source of fluid to be injected;
a first and a second motor valve, the first motor valve having a larger force constant and being connected to regulate flow between the source of fluid and a displacer tube, the second motor valve having a lesser force constant and being connected to regulate flow between the displacer tube and the pipeline; and
a control line connected to the first and second motor valve for controlling the first and second motor valve.
2. The injector of claim 1 in which the source of fluid is an overhead storage tank.
3. The injector of claim 1 in which the control line is pressurized and depressurized by a valve connected to the pipeline.
4. The injector of claim 3 in which the valve is a latching solenoid valve.
5. The injector of claim 1 in which the pipeline is used to transport natural gas.
6. The injector of claim 5 in which the fluid is hydrate inhibitor.
7. The injector of claim 5 in which the natural gas in the source of fluid is used to fuel a heater.
8. The injector of claim 4 in which the latching solenoid valve pressurizes and depressurizes the control line according to control signals provided by a control panel, the control panel comprising:
a timing apparatus that provides control signals to the latching solenoid valve; and
a power source connected to the latching solenoid valve for providing the latching solenoid with power.

9. The injector of claim 8 in which the power source is a battery.
10. The injector of claim 9 in which the battery is charged by a photovoltaic converter.
11. The injector of claim 8 in which the timing apparatus comprises:
 - a clock with a sweeping hand; and
 - a switch positioned to be activated by passage of the sweeping hand past the switch.
12. The injector of claim 11 in which the timing apparatus comprises:
 - a clock with a sweeping hand;
 - a magnet carried by the sweeping hand; and
 - a plurality of magnetically operated switches, the switches positioned to be activated by sweeping the magnet past the magnetically operated switches.
13. The injector of claim 12 in which the magnetically operated switches are reed switches.
14. The injector of claim 11 in which a plurality of sweeping hands are mounted on the clock and move with the sweeping hand, each of the plurality hands being positioned in relation to the switch to operate the switch.
15. The timing apparatus of claim 12 in which a plurality of sweeping hands are mounted on the clock and move with the sweeping hand, and each the plurality of sweeping hands carrying a magnet such that the frequency of switching is increased.
16. A hydrate inhibitor injector for injecting hydrate inhibitor into a natural gas pipeline, the injector comprising:
 - a source of hydrate inhibitor; and

a first valve and a second valve on a line connected to the source of hydrate inhibitor, the first valve and the second valve being configured to isolate a slug of hydrate inhibitor in response to a first signal from a controller and deposit the slug of hydrate inhibitor in a natural gas pipeline in response to a second signal from the controller.

17. The hydrate inhibitor injector of claim 16 in which the source of hydrate inhibitor is an overhead storage tank.

18. The hydrate inhibitor injector of claim 17 in which the natural gas in the overhead storage tank is used to fuel a natural gas heater.

19. The hydrate inhibitor injector of claim 16 in which the first valve has a first force constant and the second valve has a second force constant differing from the first force constant.

20. The hydrate inhibitor injector of claim 19 in which the controller comprises:
a control line;
a control line valve for pressurizing the control line in response to a first control signal and depressurizing the control line in response to a second control signal;
a power source connected to the control line valve for providing power to the control line valve.

21. The hydrate inhibitor injector of claim 20 in which the control line valve is a latching solenoid valve.

22. The hydrate inhibitor injector of claim 20 in which the first control signal and the second control signal are provided by a timing apparatus comprising:
a clock with a sweeping hand; and
a switch positioned to be activated by passage of the sweeping hand past the switch.

23. The hydrate inhibitor injector of claim 20 in which the first control signal and the second control signal are provided by a timing apparatus comprising:

a clock with a sweeping hand;

a magnet carried by the sweeping hand; and

a plurality of magnetically operated switches, the switches positioned to be activated by sweeping the magnet past the magnetically operated switches.

24. The hydrate inhibitor injector of claim 23 in which the magnetically operated switches are reed switches.